## Claims:

1. A method for fabricating a filtering member in which overlapping portions of a wire are bonded together in a layered manner through thermal treatment for forming a mesh, the method comprising:

applying a contact surface pressure between portions of the wire to be bonded together; and

maintaining the contact surface pressure as equal to or higher than a predetermined level that is set in accordance with a thermal treatment condition, and conducting the thermal treatment in this state, such that each bonding portion of the wire has a strength equal to or greater than 4 N.

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2. The method according to Claim 1, wherein, when a thermal treatment temperature and a thermal treatment time are specified as the thermal treatment condition, the thermal treatment is performed such that the following inequality is satisfied:

$$4 \le C1 \times \exp(-C2/T) \times (t/T)^{0.4} \times P \times b^2 \times n$$

in which

T: thermal treatment temperature, t: thermal treatment time, P: contact surface pressure, b: lateral contact dimension between contact portions of the wire, n: number of bonding portions of the wire, and

wherein C1 and C2 are coefficients, with C1 = 4,105, and C2 = 9,000.

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3. The method according to Claim 1, wherein:

the filtering member is a coil type filter in which the wire is wound in a layered manner for forming a mesh, and the contact surface pressure is produced by tension applied to the wire during winding of the wire.

- 4. The method according to Claim 3, wherein a winding end of the wire is fixed while the tension is applied to the wire during winding of the wire.
- 5. The method according to Claim 3, wherein the contact surface pressure is adjusted by changing the tension applied to the wire during winding of the wire.

6. A method for fabricating a filter for an airbag inflator in which overlapping portions of a metal wire are bonded together in a layered manner through thermal treatment for forming a mesh, the method comprising:

applying a contact surface pressure between portions of the wire to be bonded together; and

maintaining the contact pressure as equal to or higher than a predetermined level that is set in accordance with a thermal treatment condition, and conducting the thermal treatment in this state, such that each bonding portion of the wire has a strength equal to or greater than 4 N.

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7. The method according to Claim 6, wherein, when a thermal treatment temperature and a thermal treatment time are specified as the thermal treatment condition, the thermal treatment is performed such that the following inequality is satisfied:

$$4 \le C1 \times \exp(-C2/T) \times (t/T)^{0.4} \times P \times b^2 \times n$$

5 in which:

T: thermal treatment temperature, t: thermal treatment time, P: contact surface pressure, b: lateral contact dimension between contact portions of the wire, n: number of bonding portions of the wire, and

C1 and C2 are coefficients, which C1 = 4,105, and C2 = 9,000.

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- 8. The method according to Claim 6, wherein the filter is a coil type filter in which the wire is wound in a layered manner for forming a mesh, and the contact surface pressure is produced by tension applied to the wire during winding of the wire.
- 9. The method according to Claim 8, wherein a winding end of the wire is fixed while the tension is applied to the wire during winding of the wire.
- 10. The method according to Claim 8, wherein the contact surface pressure is adjusted by changing the tension applied to the wire during winding of the wire.